

Abstract of the Disclosure

CRYSTALLINE GRAPHITE NANOFIBERS AND A PROCESS FOR PRODUCING SAME

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A carbon nanofiber having substantially graphite sheets that are substantially parallel to the longitudinal axis of the nanofiber and a produce for producing same. The carbon nanofibers are produced by contacting an iron, or an iron:copper bimetallic, or an iron:nickel bimetallic bulk catalyst with a mixture of carbon monoxide and hydrogen at temperatures from about 625°C to about 725°C for an effective amount of time.